

Russell J Hewett

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

647
citations

840776

11
h-index

888059

17
g-index

24
all docs

24
docs citations

24
times ranked

841
citing authors

#	ARTICLE	IF	CITATIONS
1	The SunPy Project: Open Source Development and Status of the Version 1.0 Core Package. <i>Astrophysical Journal</i> , 2020, 890, 68.	4.5	208
2	SunPy – Python for solar physics. <i>Computational Science & Discovery</i> , 2015, 8, 014009.	1.5	111
3	A Robust Null Space Method for Linear Equality Constrained State Estimation. <i>IEEE Transactions on Signal Processing</i> , 2010, 58, 3961-3971.	5.3	72
4	Dynamic Three-Dimensional Tomography of the Solar Corona. <i>Solar Physics</i> , 2010, 262, 495-509.	2.5	45
5	Multiscale Analysis of Active Region Evolution. <i>Solar Physics</i> , 2008, 248, 311-322.	2.5	35
6	Intercomparison of the LASCO-C2, SECCHI-COR1, SECCHI-COR2, and Mk4 Coronagraphs. <i>Solar Physics</i> , 2012, 280, 273-293.	2.5	29
7	SunPy: A Python package for Solar Physics. <i>Journal of Open Source Software</i> , 2020, 5, 1832.	4.6	25
8	Multiresolution Analysis of Active Region Magnetic Structure and its Correlation with the Mount Wilson Classification and Flaring Activity. <i>Solar Physics</i> , 2008, 252, 121-137.	2.5	23
9	Weight-Adjusted Discontinuous Galerkin Methods: Curvilinear Meshes. <i>SIAM Journal of Scientific Computing</i> , 2017, 39, A2395-A2421.	2.8	19
10	Weight-Adjusted Discontinuous Galerkin Methods: Wave Propagation in Heterogeneous Media. <i>SIAM Journal of Scientific Computing</i> , 2017, 39, A2935-A2961.	2.8	19
11	L-Sweeps: A scalable, parallel preconditioner for the high-frequency Helmholtz equation. <i>Journal of Computational Physics</i> , 2020, 420, 109706.	3.8	18
12	A parallel shared-memory implementation of a high-order accurate solution technique for variable coefficient Helmholtz problems. <i>Computers and Mathematics With Applications</i> , 2020, 79, 996-1011.	2.7	6
13	A Survey of Computational Tools in Solar Physics. <i>Solar Physics</i> , 2020, 295, 1.	2.5	5
14	Solar Activity Monitoring. <i>Astrophysics and Space Science Library</i> , 2007, , 15-26.	2.7	5
15	High-dimensional wave atoms and compression of seismic data sets. , 2013, , .		5
16	Instant Messaging (IM) Literacy in the Workplace. , 2008, , 455-472.		4
17	The method of polarized traces for the 3D Helmholtz equation. <i>Geophysics</i> , 2019, 84, T313-T333.	2.6	3
18	Preconditioning the 2D Helmholtz equation with polarized traces. , 2014, , .		3

#	ARTICLE	IF	CITATIONS
19	Pollution-free and fast hybridizable discontinuous Galerkin solvers for the high-frequency Helmholtz equation. , 2017, , .		3
20	Dynamics of the streamâ€“lake transitional zone affect littoral lake metabolism. Aquatic Sciences, 2022, 84, 1.	1.5	3
21	Time-stepping beyond CFL: A locally one-dimensional scheme for acoustic wave propagation. , 2013, , .		2
22	A short note on a pipelined polarized-trace algorithm for 3D Helmholtz. , 2016, , .		2
23	Reduced storage nodal discontinuous Galerkin methods on semi-structured prismatic meshes. Computers and Mathematics With Applications, 2017, 73, 775-793.	2.7	1
24	A Phase Field Method for Tomographic Reconstruction from Limited Data. , 2012, , .		1